



PUBLIC
WORKS

SEMINOLE COUNTY

FLORIDA'S NATURAL CHOICE



PUBLIC
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SEMINOLE COUNTY

FLORIDA'S NATURAL CHOICE

CAPITAL IMPROVEMENT PROJECTS

FY 03/04

District Commissioner

District 1 - Grant Maloy

District 2 - Randall C. Morris

District 3 - Dick Van Der Weide

District 4 - Carlton Henley

District 5- Daryl McLain (Chairman)

**SEMINOLE COUNTY
COMMISSION DISTRICTS
FY 2003/2004**

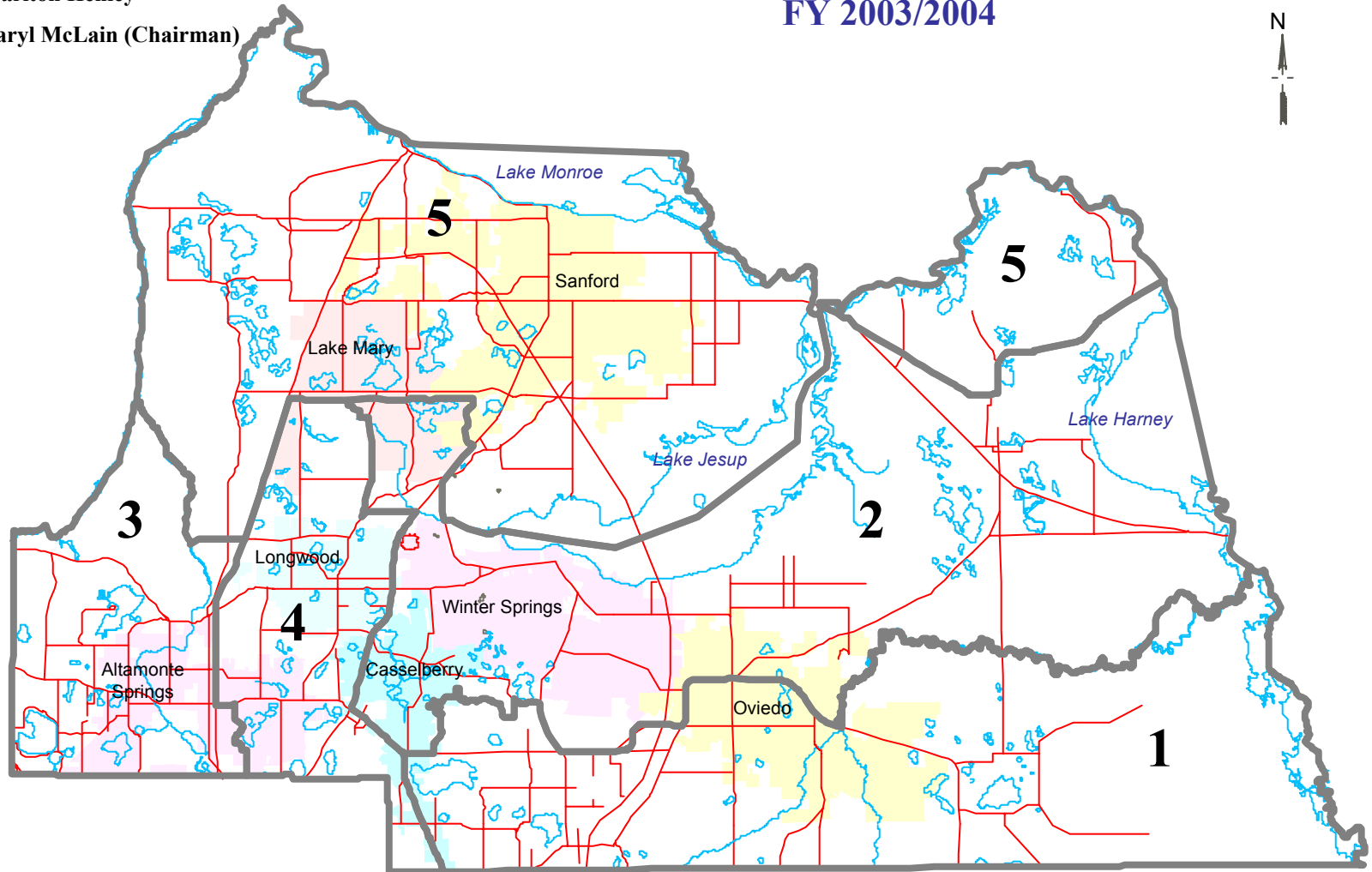


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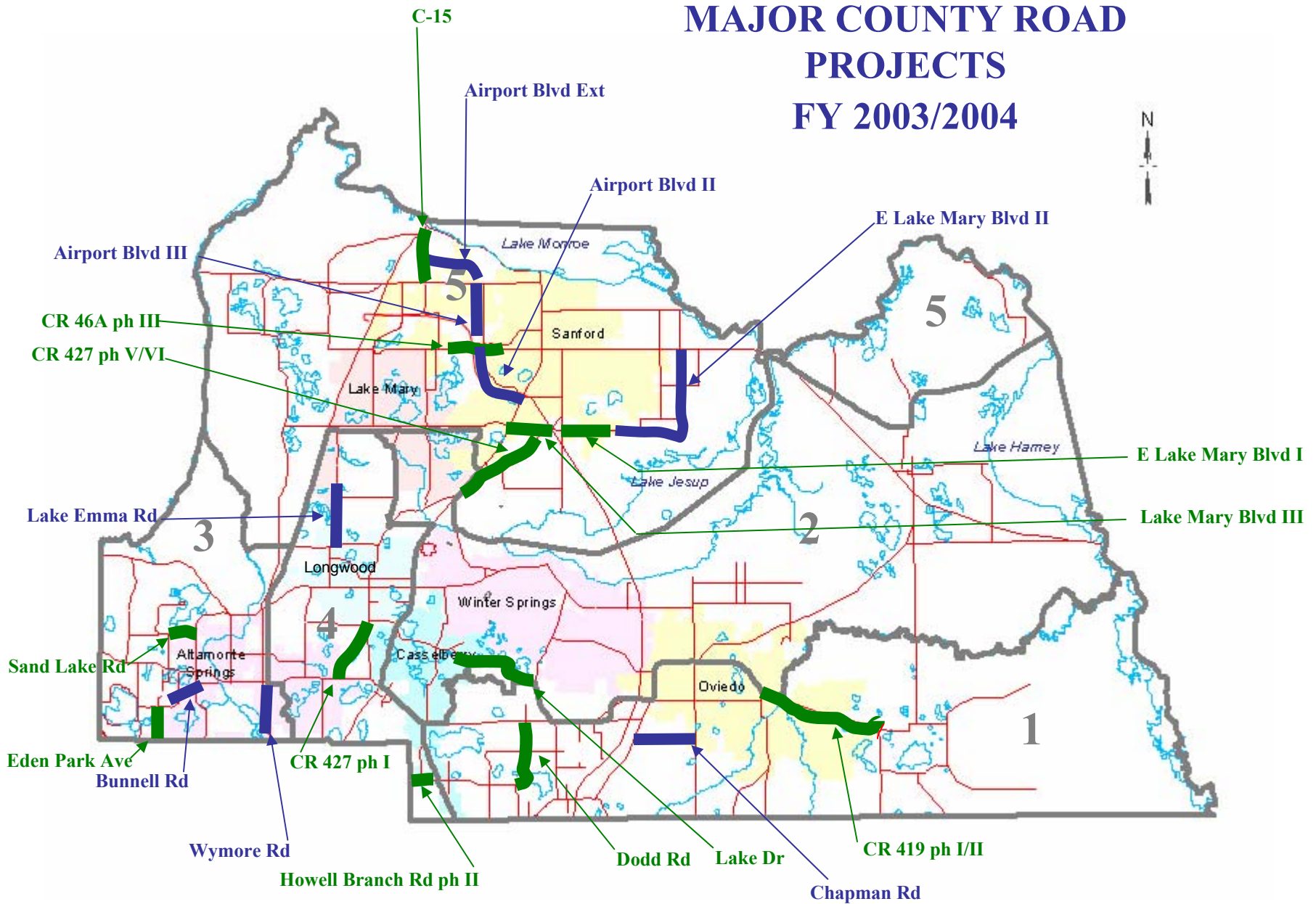
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Map Legend

Original October 1 Budget

Carry Forward Projects

MAJOR COUNTY ROAD PROJECTS FY 2003/2004



Major County Road Projects

- **Airport Blvd Ph II**

US 17-92 to CR 46A (1.8 miles)

- **Airport Blvd Ph III**

CR 46A to SR 46 (2 miles)

- **Airport Blvd Ext**

North From SR 46 (1.7miles)/Design

- **Bunnell Rd**

West Town Pkwy to Eden Park (0.88 miles)

Major County Road Projects

- **Chapman Rd**
SR 426 to SR 434 (2.27 miles)
- **Howell Branch Rd PH II**
Mast-Arm/Landscaping
- **Lake Emma Rd**
Longwood Hills Rd to Sand Pond Rd (2.1 miles)
- **Wymore Rd**
Orange County Line to SR 436 (1.3 miles)

Major County Road Projects

- **CR-15 (Upsala)**
SR 46 to US 17-92 (1.2 miles)
- **CR 419 PH I & II**
Lockwood Blvd to 2nd St (3.2 miles)
- **CR 427 PH I, V & VI**
Phase I – SR 436 to Charlotte St (1.8 miles)
Phase V & VI – US 17-92 to Lake Mary Blvd (2.9 miles)
- **Dodd Rd**
Howell Branch Rd to Red Bug Lake Rd (1.7 miles)

Major County Road Projects

- **Eden Park**

Bunnell Rd to Orange County Line (.9 miles)

- **E Lake Mary Blvd Ph I & II**

ELMB-Sanford Ave to Ohio Ave (1.5 miles)/Ohio Ave to SR 46 (.4 miles)

- **Lake Mary Blvd Ph III**

ELMB from US 17-92 to Sanford Ave (1.4 miles)

- **CR 46A Ph III**

Country Club Rd to Old Lake Mary Blvd (1.4 miles)

Major County Road Projects

- **Lake Dr**
Seminola Blvd to Tuskawilla Rd (2.6 miles)
- **Sand Lake Rd**
Hunt Club Blvd to SR 434 (1.9 miles)/Design-R.O.W.
- **Wymore Rd**
SR 436 to Orange County Line (1.3 miles)
- **Landscaping**
Not Mapped
- **17-92/CRA (Fern Park Hardscape)**
Not Mapped

Major County Road Projects

Acquisition & Misc Construction Closeouts

(Not Mapped)

- CR 46A Ph II (Wall)
- Chuluota Bypass
- Douglas / Markham Woods Rd Intersection Realignment
- Howell Branch Rd PH I
- Montgomery Rd
- CR 425/Sanford Ave
- CR 427 PH III & IV

THIS CONTRACT PLAN SET INCLUDES:

ROADWAY PLANS
STONING AND PAVEMENT MARKING PLANS
SIGNIFICATION PLANS

SEMINOLE COUNTY PUBLIC WORKS DEPARTMENT ENGINEERING DIVISION

PUBLIC WORKS DIRECTOR
W. GARY JOHNSON, P.E.

COUNTY ENGINEER
JERRY MCCOLLUM, P.E.



VICINITY MAP

INDEX OF ROADWAY PLANS

SHEET NO.	SHEET DESCRIPTION
1	KEY SHEET
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7-8	TYPICAL SECTIONS
9-11	SURVEILLATION DETAILS
12-13	SUMMARY OF SURVEILLATION
14-15	BOX CULVERT AND MINOR STRUCTURE
16-17	REFERENCE TIES
18-19	SUMMARY OF BRIDGE STRUCTURES
20	GENERAL NOTES
21-22	ROADWAY PLAN AND PROFILE GRADE COPY
23-24	PROFILE GRADE COPY
25	CANON AND PLAN AND PROFILE
26-27	INTERSECTION DETAILS
28-29	CROSS-SECTION DETAILS
30-31	PLAN SHEETS
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PLANS OF PROPOSED ROADWAY CONSTRUCTION EAST LAKE MARY BLVD. PS-0137 SEGMENT IIB



END PROJECT
STA 282+00.00

END
EXCEPTION
STA 277+26.18

BEGIN
EXCEPTION
STA 276+84.38

GOVERNING SPECIFICATIONS: STATE OF FLORIDA, DEPARTMENT OF TRANSPORTATION, STANDARD SPECIFICATIONS, DATED 2000 AND SUPPLEMENTS THEREOF IF NOTED IN THE SPECIAL PROVISIONS FOR THIS PROJECT.

ATTENTION IS DIRECTED TO THE FACT THAT THESE PLANS MAY HAVE BEEN CHANGED IN SIZE OF REPRODUCTION. THIS MUST BE CONSIDERED WHEN OBTAINING SCALE DATA.

PREPARED BY: JERRY MCCOLLUM
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ORLANDO, FLORIDA 32810
PHONE: 407-843-1111
FAX: 407-843-0250
E-MAIL: JERRY.MCCOLLUM@STATE.FL.GOV

CERTIFICATE OF AUTHORIZATION NO. 0115

ROADWAY PLANS

APPROVED BY:

LEONARD A. JOHNS, P.E., 10/11/02

CONSTRUCTION COMPLETION DATE:

FIELD VERIFIED BY:

REV.	DATE	DESCRIPTION

THESE PLANS HAVE BEEN PREPARED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR HIGHWAYS AND TRAFFIC CONTROL DEVICES, 1994 EDITION, DATED JANUARY 1994.

BEGIN PROJECT
STA 276+84.38

LENGTH OF PROJECT			
ITEM	LENGTH (FEET)	PERCENT	TOTAL
1. TOTAL LENGTH OF PROJECT	5,115.82	100.00	5,115.82
2. LENGTH OF PROJECT	5,115.82	100.00	5,115.82

LOCATION MAP

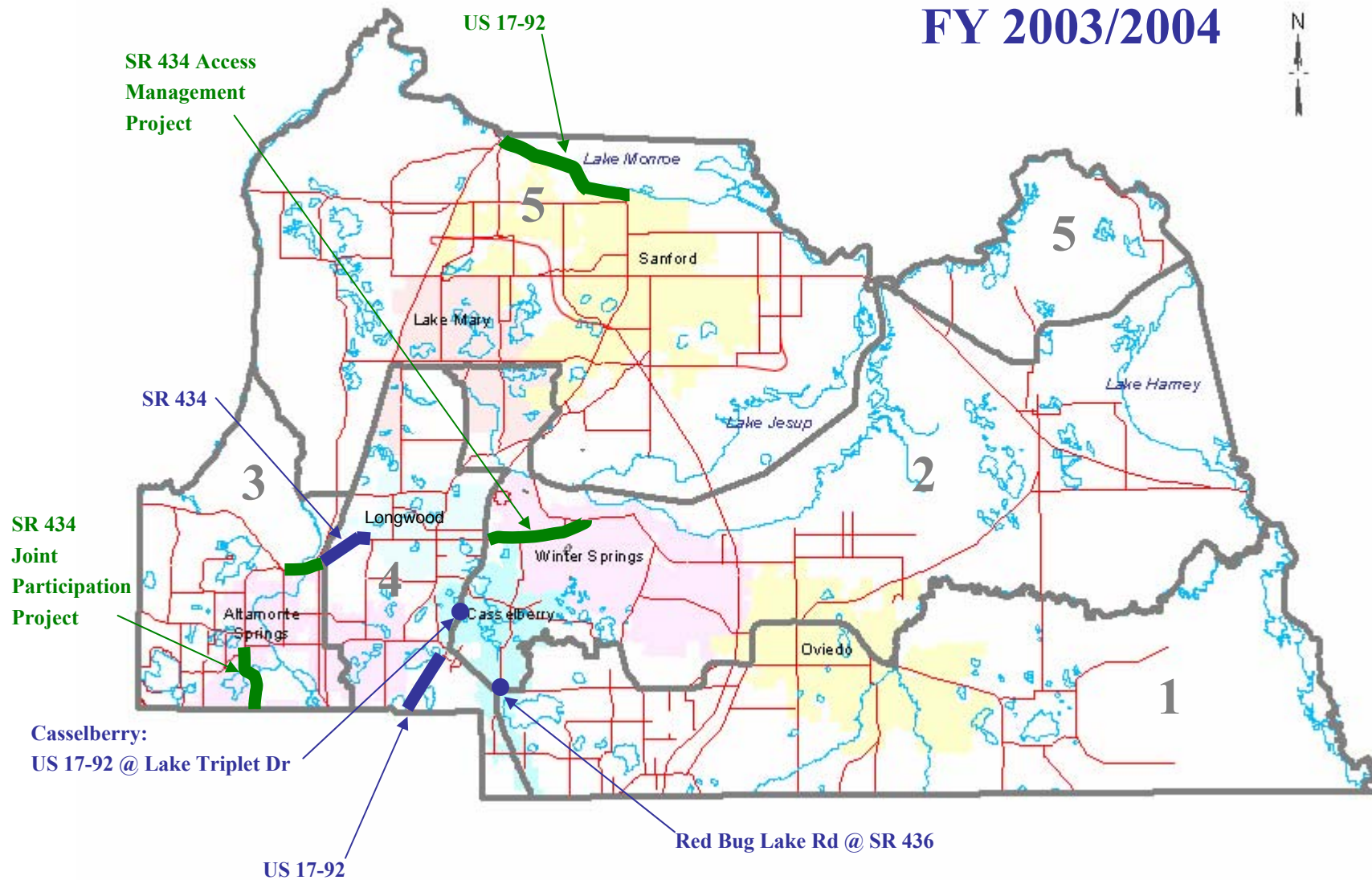
SEMINOLE COUNTY PROJECT NUMBER: 147000-2-0001, P.E.

Revised 8/27/02

submitted 8/27/02

STATE ROAD PROJECTS

FY 2003/2004



State Road Projects

➤ **SR 434**

Montgomery Rd to Interstate 4/Design
I-4 to Palm Springs Dr or Rangeline Rd (1.5 Miles)/Design

➤ **Red Bug Lake Rd @ SR 436**

Interchange Design

➤ **US 17-92**

County Line to Fernwood Blvd (6-Lane Reconstruct/1.5 Miles)

➤ **City/County Cost-Shared Project**

Casselberry (US 17-92 Pedestrian Overpass)

State Road Projects

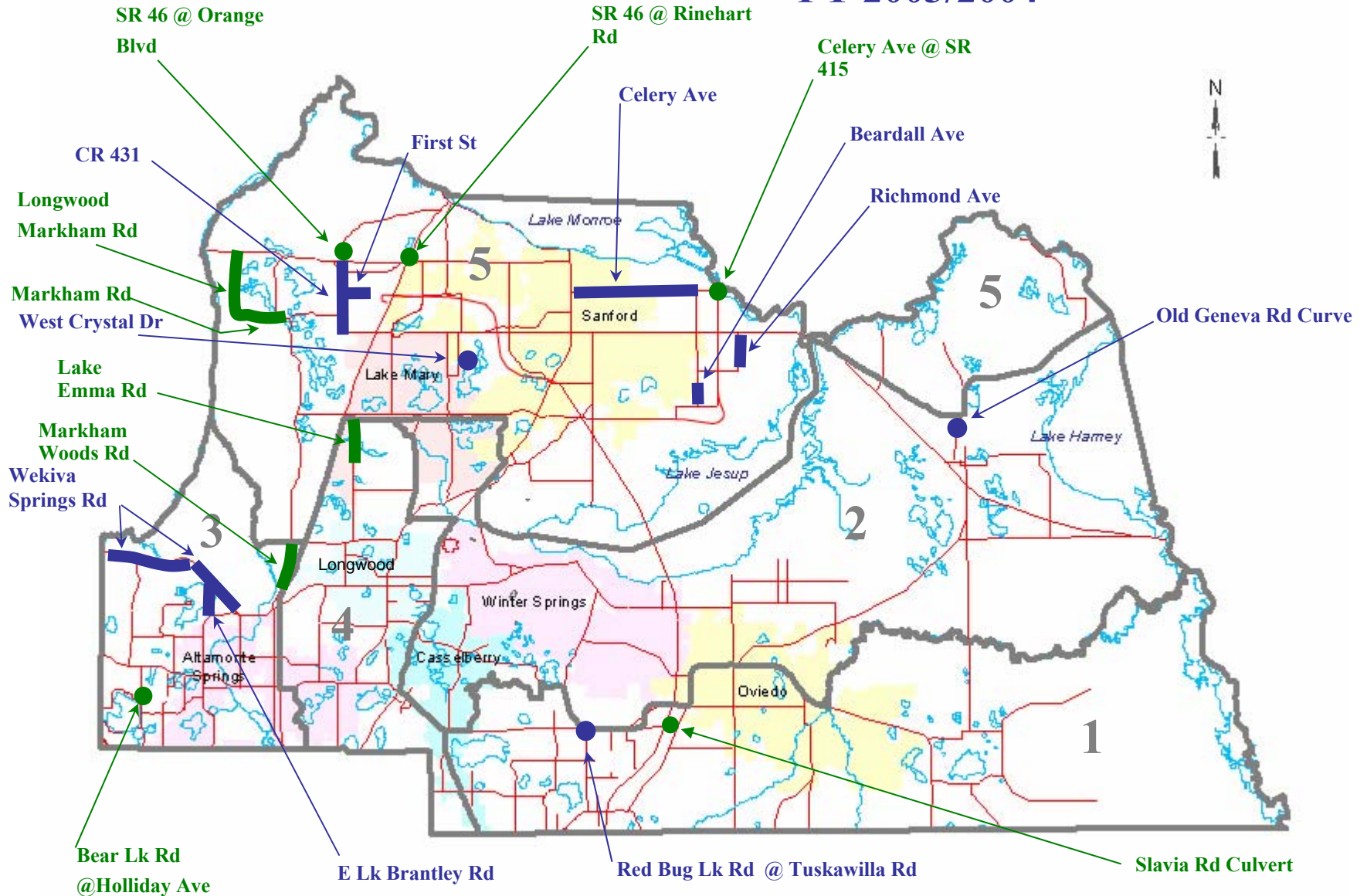
- **SR 434 Joint Participation Project**
Orange County Line to SR 436/Design
- **SR 434 Access Management Project**
US 17-92 to SR 419/Design
- **US 17-92 Lakefront** (Cost Shared with City of Sanford)
CR 15 to French Ave

ROAD
CLOSED



COUNTY COLLECTOR/MINOR ROAD PROJECTS

FY 2003/2004



County Collector/Minor Road Projects

- **Richmond Ave**
South of SR 46 to North of Moore's Station Rd
Replace 2 Box Culverts
- **Beardall Ave**
Kentucky St to SR 46
Drainage Retrofit & Rebuild of Roadway
- **Red Bug Lake Rd @ Tuskawilla Rd**
Intersection Improvements
Extend Lane for Merging Westbound Traffic
- **First St**
Orange Blvd to Sylvan Ave
Widen 2 Lanes & Rebuild Road With Drainage

County Collector/Minor Road Projects

- **West Crystal Dr**
Lake View Dr
Replace Pipe With Box Culvert
- **Old Geneva Rd Curve**
North of Hale Rd to South of Osceola Rd
Pavement Widening & Shoulder Improvements
- **Wekiva Springs Rd Ph I**
Wekiva Lane to Sabal Palm Dr
Raise Medians & Install Curb (Design)
- **Wekiva Springs Rd Ph II**
Fox Valley Dr to County Line
Add Raised Median With Turn Lane (Design)

County Collector/Minor Road Projects

- **E Lake Brantley Rd**
Wekiva Springs Rd to SR 434
Rebuild With 3 Lane Section
- **Celery Ave @ SR 415**
Curve East of Chickasaw Trail
Realignment & Left Turn Lane
- **Celery Ave**
Mellonville Ave to Chickasaw Trail
Drainage Retrofit/Design
- **Celery Ave**
Mellonville Ave to Sanford Ave/Design
(including Celery/Mellonville intersection improvement)

County Collector/Minor Road Projects

- **CR 431 (Orange Blvd)**
CR 46A to SR 46
Widen to 12' Travel Lanes & Shoulders
- **Markham Woods Rd**
Springs Landing Blvd to EE Williamson Rd
3 Lane and Sidewalk
- **Slavia Rd Culvert**
South of SR 417
Culvert Replacement
- **Longwood-Markham Rd**
Markham Rd to SR 46
Rebuild Roadway & Widen to 12' Travel Lane

County Collector/Minor Road Projects

- **Markham Rd**

Longwood-Markham Rd to Orange Blvd
Install 4' to 5' Shoulder

- **SR 46 @ Rinehart Rd**

Intersection Improvement (adding a second left lane)

- **Bear Lake Rd @ Holliday Ave**

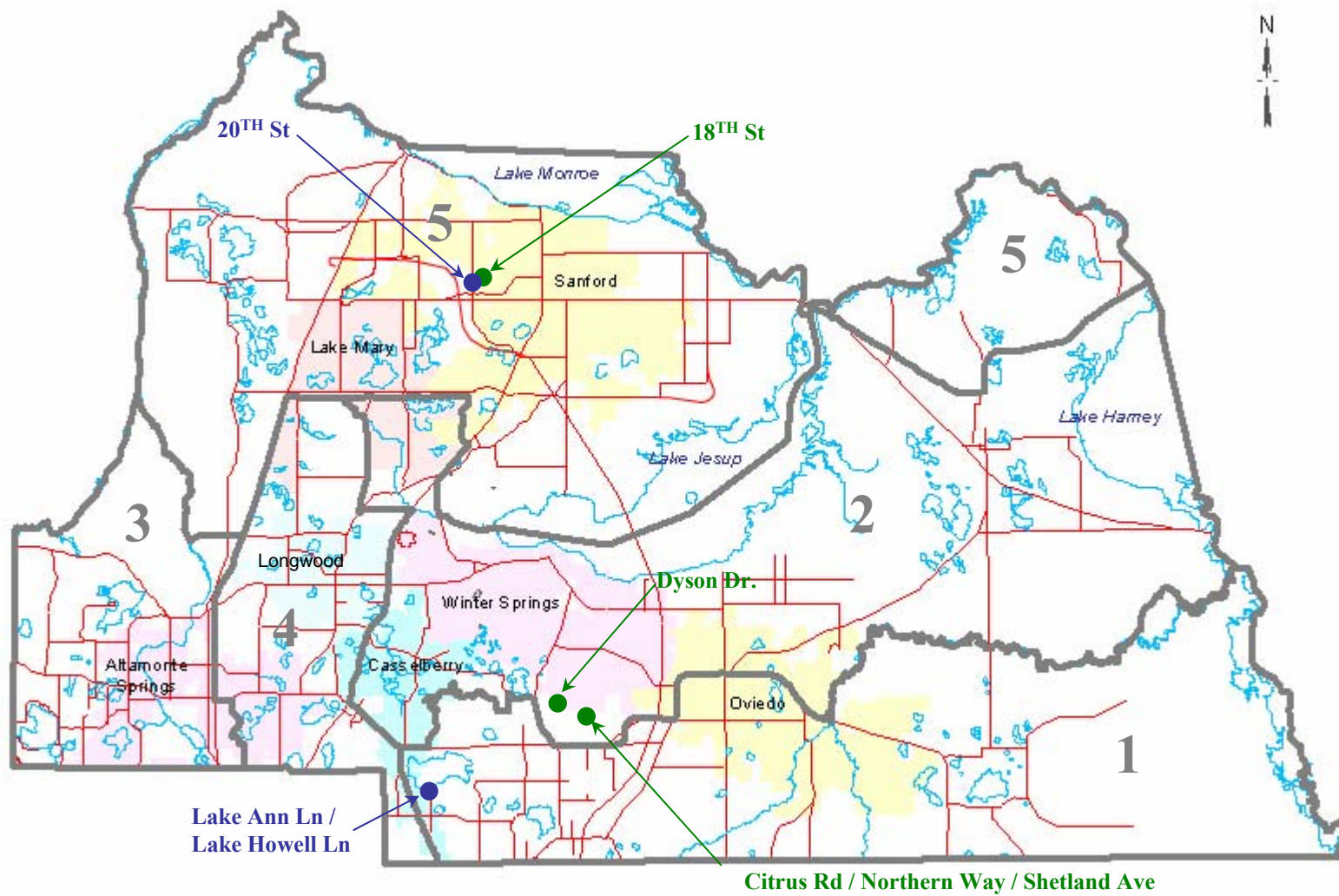
Intersection Improvement (adding a second left lane)

- **Lake Emma**

Lake Mary Blvd to Sand Pond Rd
Installing Curb, Gutter and Realignment of Curbs

SCHOOL/SAFETY SIDEWALK PROJECTS

FY 2003/2004



School/Safety Sidewalk Projects

School Related

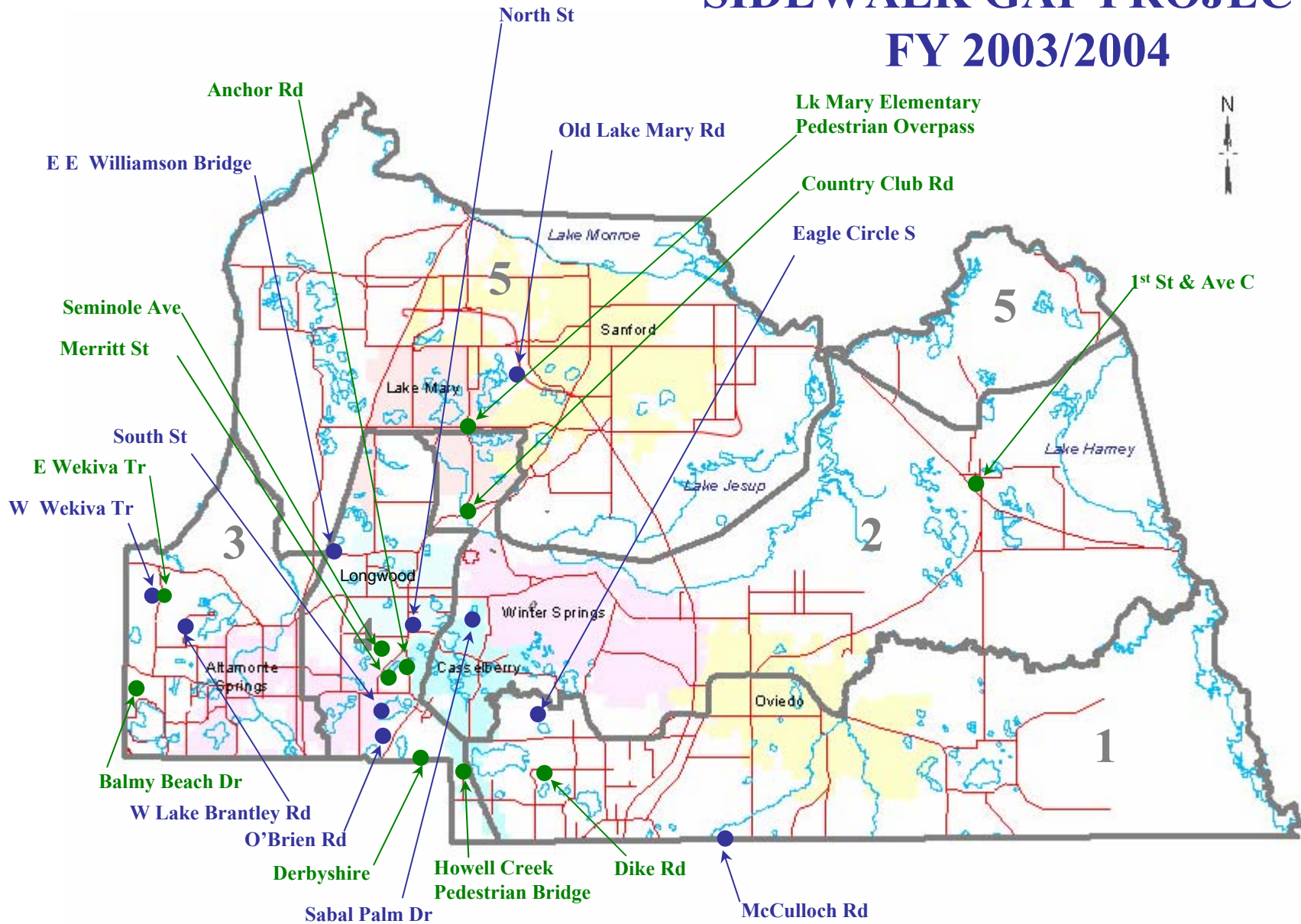
➤ 20th St	2,000 Feet
➤ Shetland Ave	2,400 Feet
➤ Lake Ann/Lake Howell	6,300 Feet
➤ Citrus Rd	3,800 Feet
➤ 18 th & 20 th Street	3,420 Feet
➤ Dyson Dr	15,800 Feet

Other

➤ Minor Safety Projects	Various Locations (Not Mapped)
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SIDEWALK GAP PROJECTS

FY 2003/2004



Sidewalk Gap Projects

➤ North St	10,200 Feet
➤ Eagle Circle S	7,100 Feet
➤ E E Williamson Bridge	300 Feet
➤ Sabal Palm Dr	11,900 Feet
➤ W Wekiva Trail	5,000 Feet
➤ W Lake Brantley Rd	2,300 Feet
➤ Old Lake Mary Rd	1,500 Feet
➤ O'Brien Rd	2,000 Feet
➤ South St	3,500 Feet
➤ McCulloch Rd W	3,300 Feet

Sidewalk Gap Projects

➤ Merritt St	3,468 Feet
➤ Seminole Ave	3,307 Feet
➤ Country Club Rd	1,842 Feet
➤ Dike Rd	3,260 Feet
➤ Anchor Rd	5,192 Feet
➤ E Wekiva Trail	6,385 Feet
➤ Derbyshire Rd	3,334 Feet
➤ Balmy Beach Dr	5,077 Feet
➤ 1 st St & Avenue C	4,400 Feet
➤ Howell Creek Pedestrian Bridge	Design Project

Pedestrian Overpasses

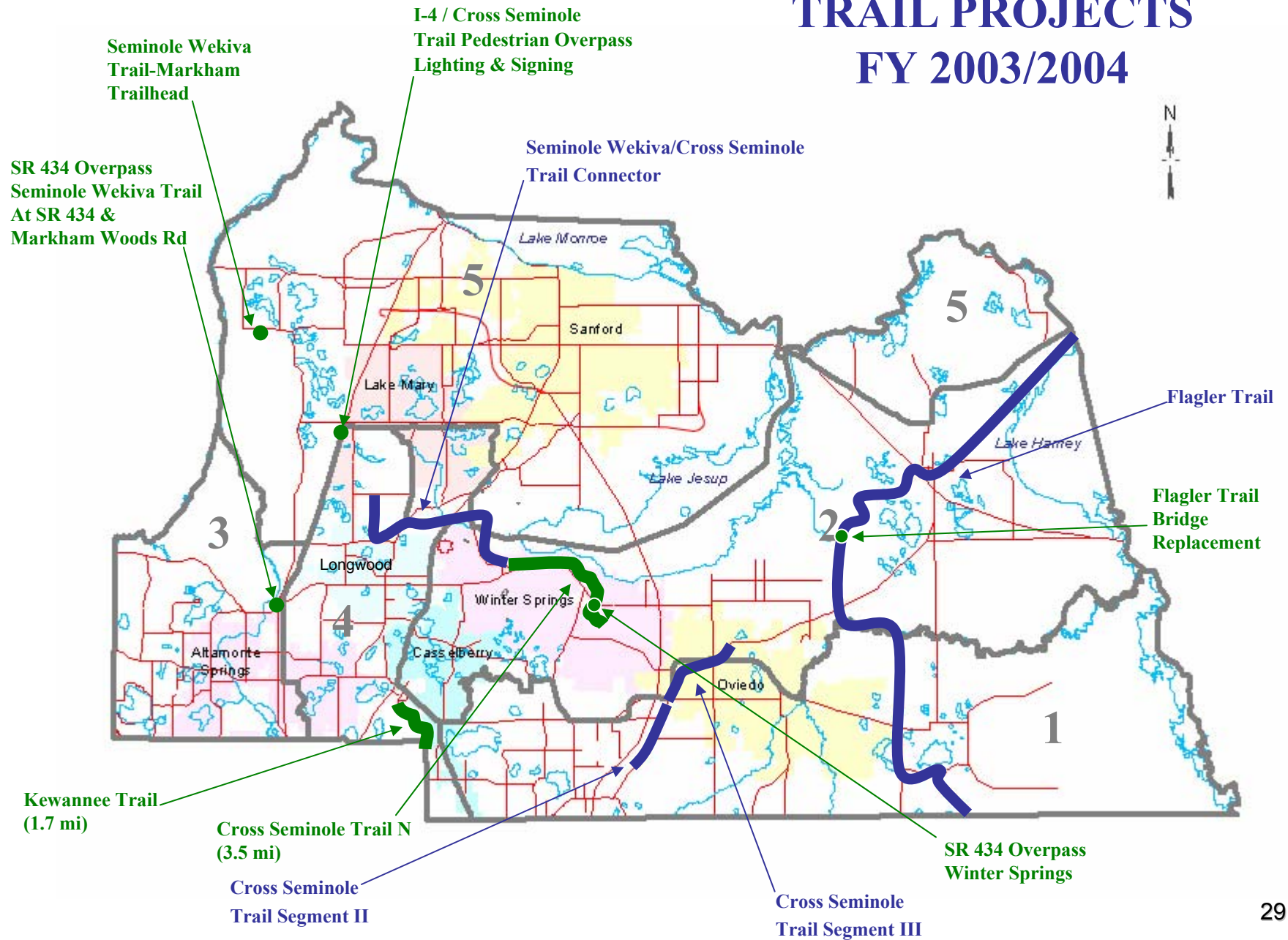
Red Bug Elementary

Lake Mary Elementary



TRAIL PROJECTS

FY 2003/2004



Trail Projects

- **Flagler Wilderness Trail**
20 Miles (Subject to Phasing)
- **Cross Seminole Trail South Segment II**
1.8 Miles (Mikler Rd to Red Bug Lake Rd)
- **Cross Seminole Trail South Segment III**
2.3 Miles (Red Bug Lake Rd North to Franklin St)
- **Seminole Wekiva/Cross Seminole Connector**
6.5 Miles (Subject to Phasing)
- **Minor Improvement Projects**
Various Locations (Not Mapped)

Trail Projects

- **SR 434 Overpass - Winter Springs**

2.5 Miles (East of Tuskawilla Rd)

- **Cross Seminole Trail North**

3.5 Miles (Gardena Ave to Wade St)

- **Flagler/Bridge Replacement**

.15 Miles (@ Econlockhatchee River)

Trail Projects

- **Kewannee Trail**

1.7 Miles (Oxford Rd & Fernwood to Cassell Creek)

- **SR 434 Overpass – Wekiva Trail**

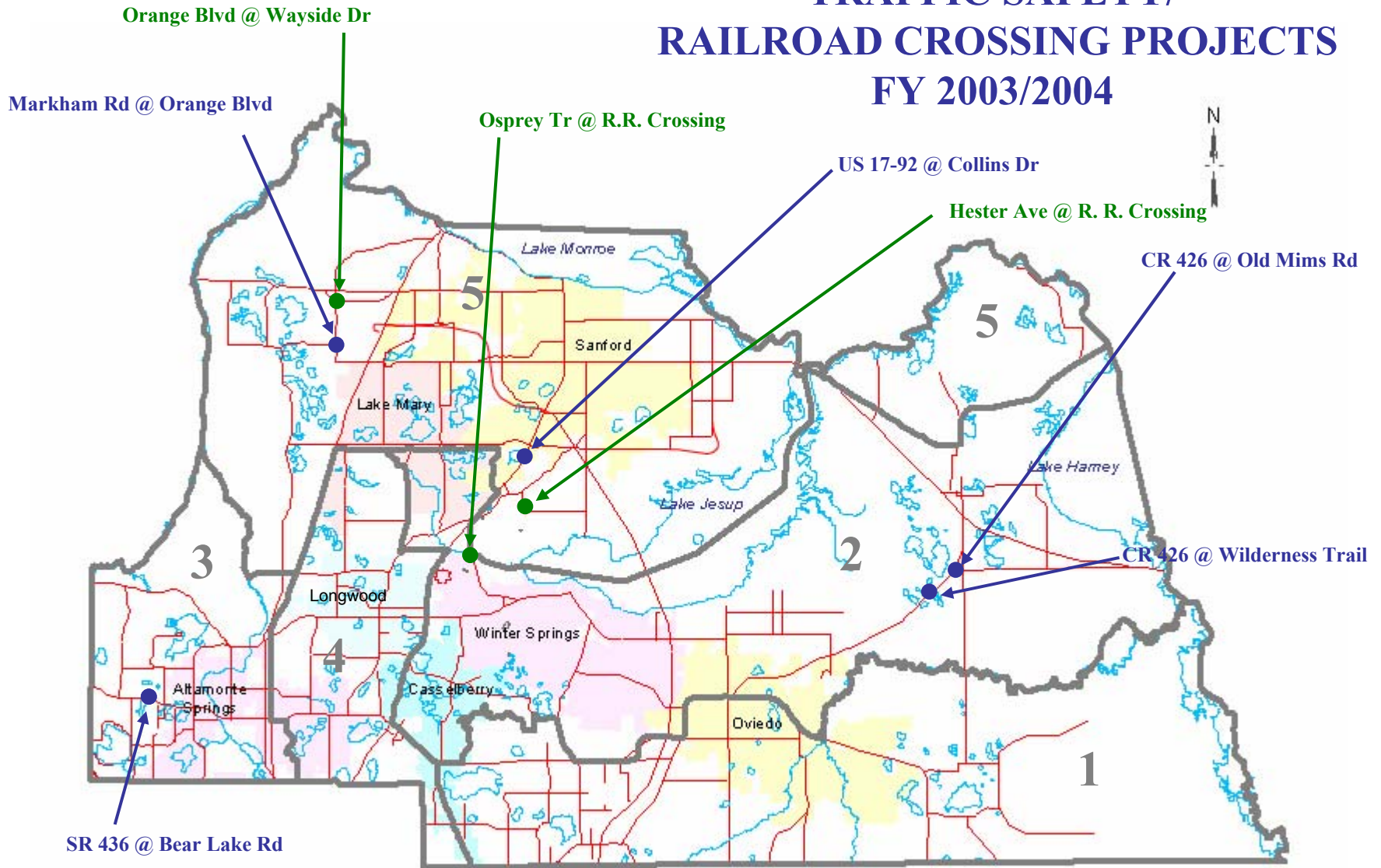
.25 Miles (@ SR 434/Markham Woods Rd/Douglas Ave)
Design/R.O.W

- **Lighting for I-4 Pedestrian Bridge**

- **Seminole Wekiva Trail-Markham Trailhead**

11 Acres

TRAFFIC SAFETY/ RAILROAD CROSSING PROJECTS FY 2003/2004



Traffic Safety/Railroad Crossing Projects

- **Collins Dr @ US 17-92**
Construct Westbound Right Turn Lane
- **Orange Blvd @ Markham Rd**
Construct Turn Lanes
- **CR 426 @ Old Mims Rd**
Construct Southbound Left Turn Lane

Traffic Safety/Railroad Crossing Projects

- **CR 426 @ Wilderness Trail**
Construct Southbound Left Turn Lane
- **SR 436 @ Bear Lake Rd**
Construct Northbound Right Turn Lane
- **Traffic Calming**
Various Locations (TBD/Not Mapped)

Traffic Safety/Railroad Crossing Projects

➤ **Hester Railroad**

Improve Grade Crossing and Install Railroad Gate and Signals

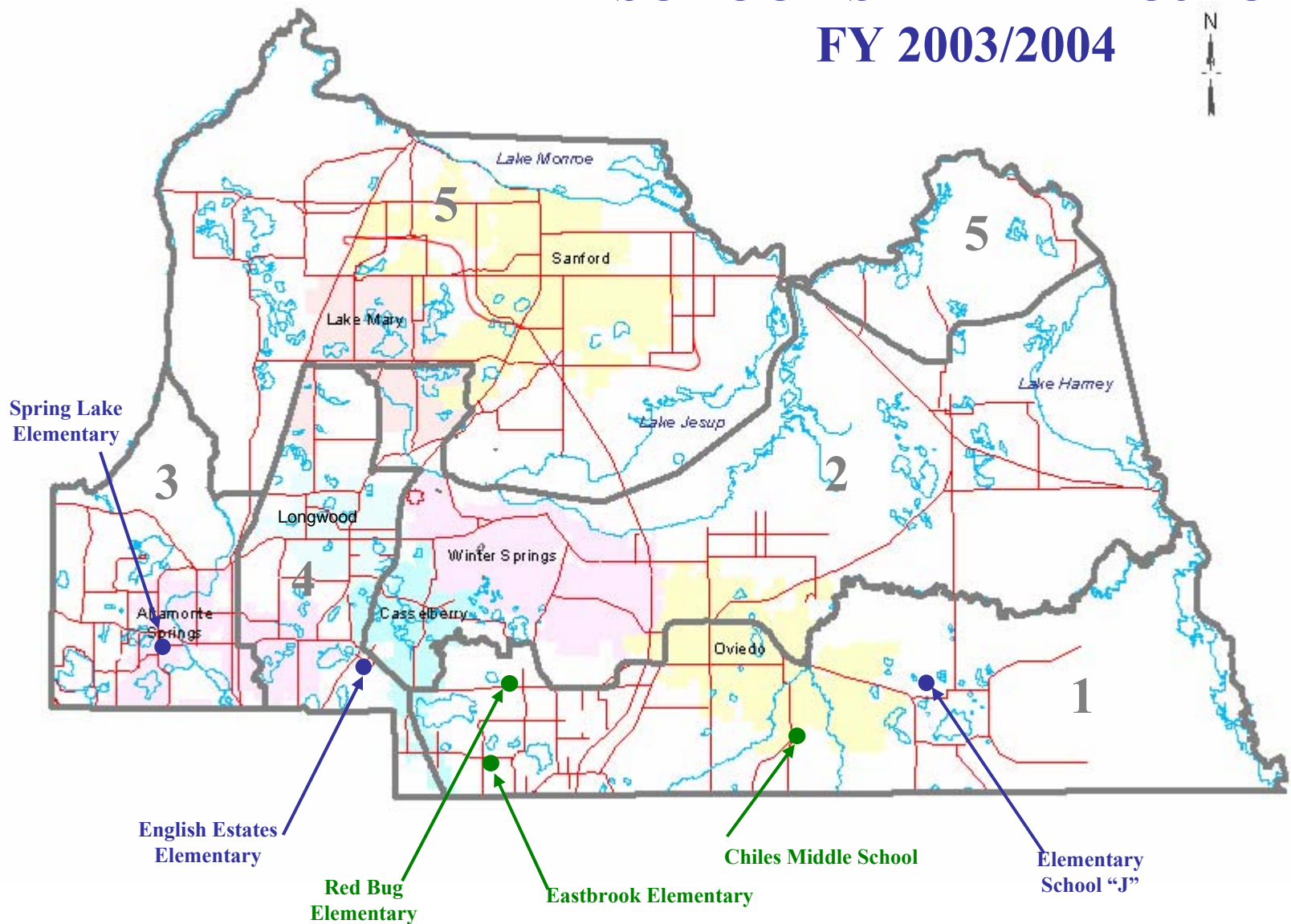
➤ **Osprey Railroad**

Improve Grade Crossing

➤ **Orange Blvd @ Wayside Dr**

Construct Right Turn Lanes on Wayside Dr Eastbound & Westbound

TRAFFIC CIRCULATION SCHOOL SAFETY PROJECTS FY 2003/2004



Traffic Circulation School Safety Projects

➤ **Spring Lake Elementary**

On-Site Right Turn Lane & Sidewalk On Orange Ave

➤ **Elementary School “J” (Chuluota)**

Sidewalk & Turn Lanes On Snowhill Rd @ New Elementary School

➤ **English Estates Elementary School**

Left Turn Lane On Oxford Rd @ School Entrance

Traffic Circulation School Safety Projects

- **Eastbrook Elementary School**

Turn Lanes on Tangerine Ave

- **Red Bug Elementary School**

Access and Circulation Improvements on Site and on Red Bug Lake Rd

- **Chiles Middle School**

Access and Circulation Improvement on Old Lockwood Rd

NO
STOPPING
ON
TRACKS



SR-46 @
INTERNATIONAL

TRAFFIC SIGNAL PROJECTS

FY 2003/2004



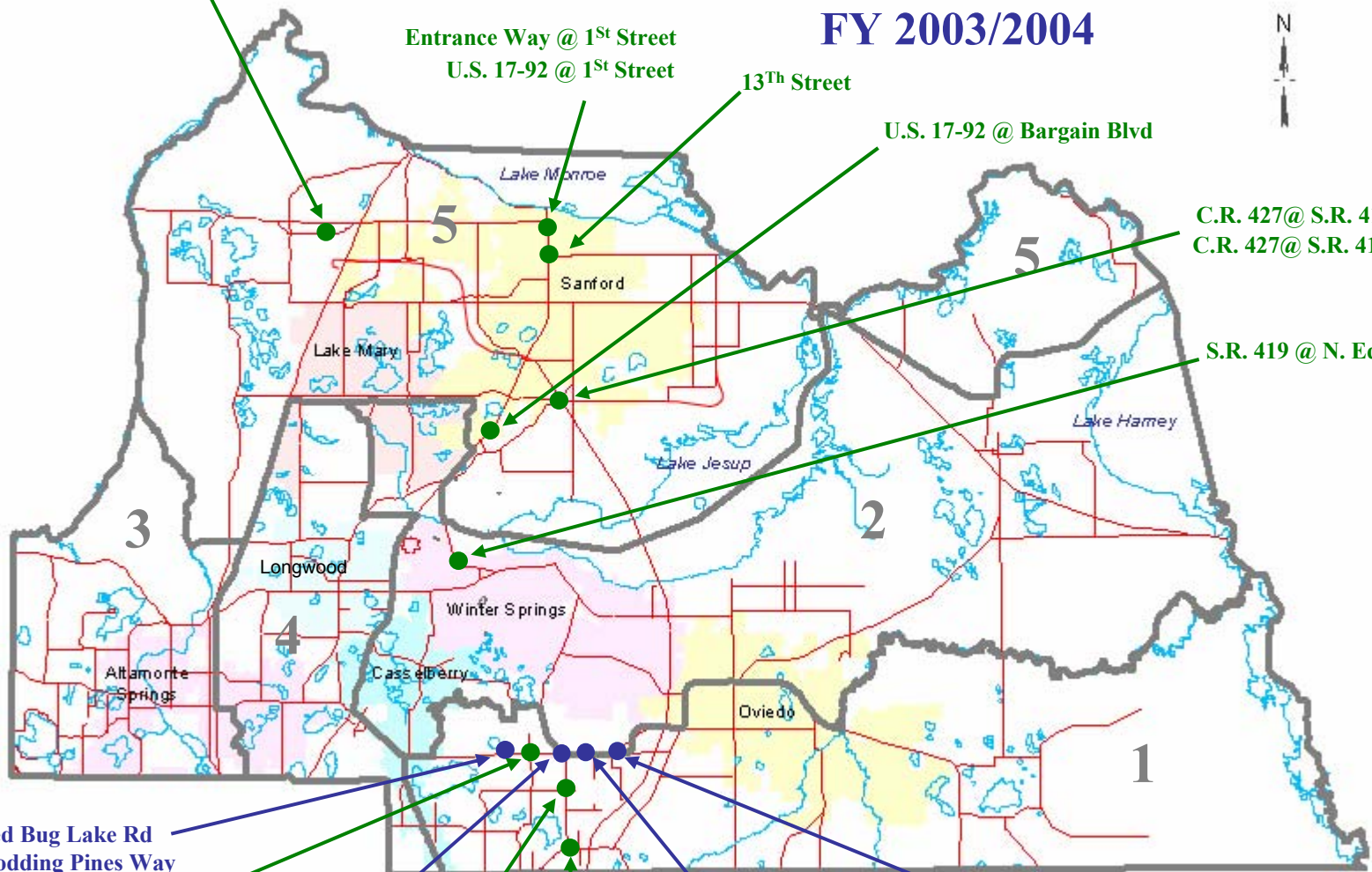
Entrance Way @ 1st Street
U.S. 17-92 @ 1st Street

13th Street

U.S. 17-92 @ Bargain Blvd

C.R. 427 @ S.R. 417 East
C.R. 427 @ S.R. 417 West

S.R. 419 @ N. Edgemon Ave.



Red Bug Lake Rd
@ Nodding Pines Way

Red Bug Lake Rd
@ Dodd Rd

Tuskawilla Rd
@ Red Bug Lake Rd

Tuskawilla Rd
@ Dike Rd

Tuskawilla Rd
@ SR426

Red Bug Lake Rd
@ Rising Sun Blvd

Red Bug Lake Rd
@ Slavia Rd

Traffic Signal Projects

2001 Sales Tax

Reconstruction To Mast Arm

- Red Bug Lake Rd @ Tuskawilla Rd
- Red Bug Lake Rd @ Rising Sun Blvd
- CR 427 @ SR 417 East
- CR 427 @ SR 417 West

1991 Sales Tax

- Reimbursable Partnership Project [TBD/Not Mapped]

Traffic Signal Projects

Reconstruction To Mast Arm

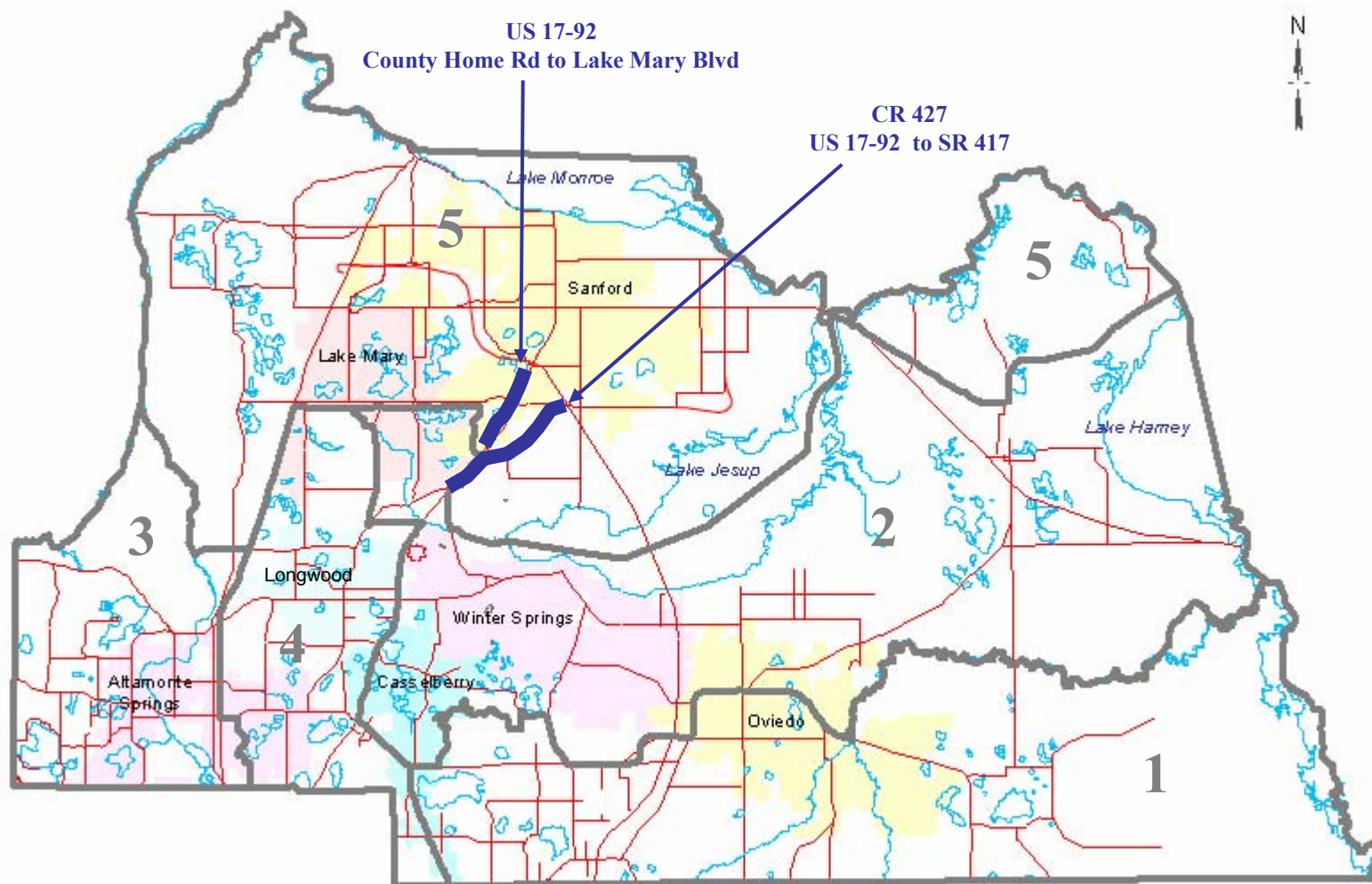
- SR 419 @ N Edgemon Ave
- SR 46 @ International Dr
- Red Bug Lake Rd @ Dodd Rd
- Tuskawilla Rd @ Dike Rd
- Tuskawilla Rd @ SR 426

Traffic Signal Projects

Reconstruction To Mast Arm

- US 17-92 @ 13th St
- US 17-92 @ Bargain Blvd
- US 17-92 @ 1st St with Entranceway

TRAFFIC FIBER OPTIC NETWORK PROJECTS FY 2003/2004

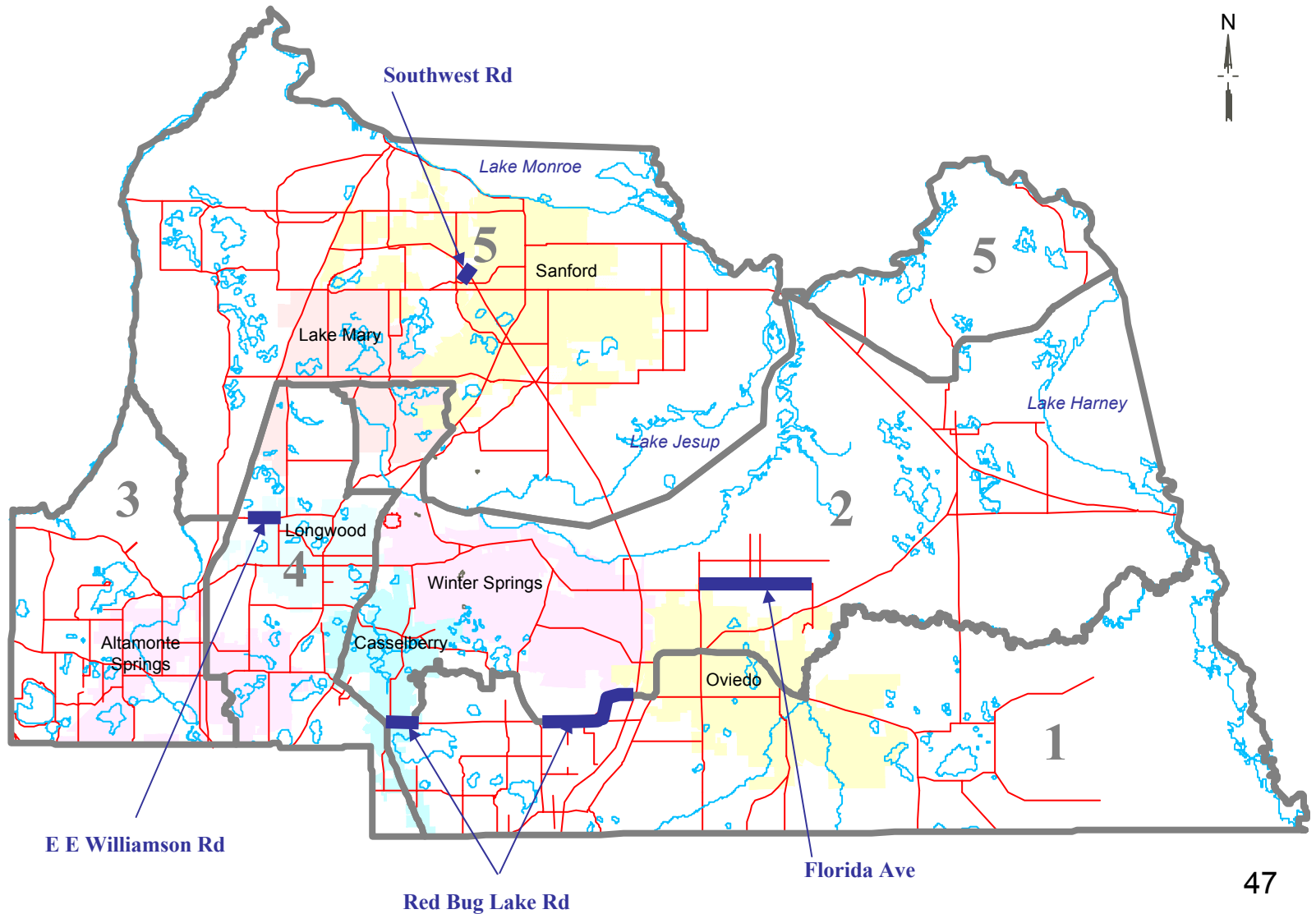


Traffic Fiber Optic Network Projects

- **CR 427**
US 17-92 to SR 417
New Fiber Installation
- **US 17-92**
County Home Rd to Lake Mary Blvd
Upgrade Fiber
- **Advanced Traffic Management Systems** (Locations TBD/Not Mapped)
Field Equipment
Variable Message Signs



ARTERIAL/COLLECTOR PAVEMENT REHABILITATION FY 2003/2004



Arterial/Collector Pavement Rehabilitation Projects



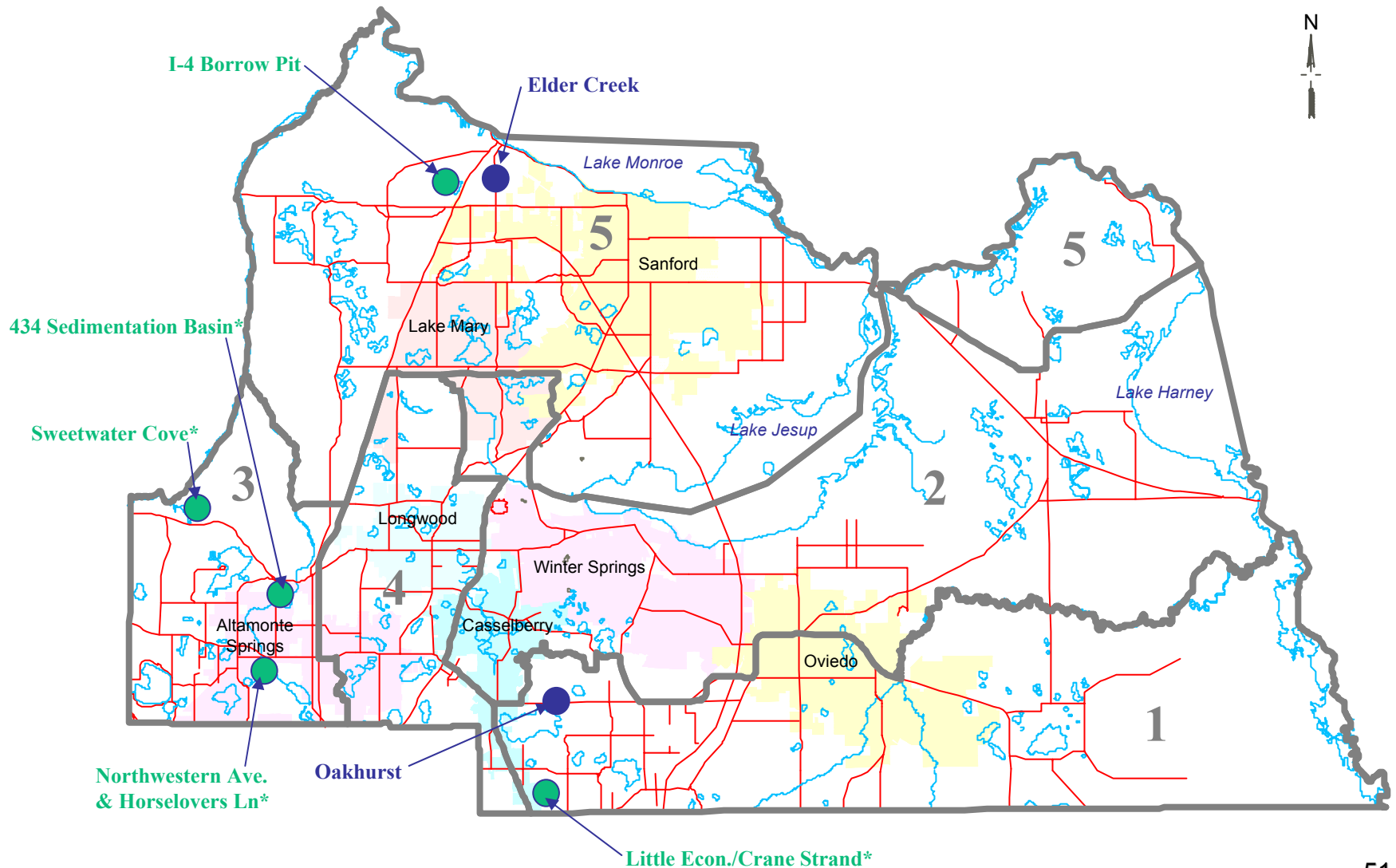
- **Red Bug Lake Rd**
SR 436 to Autumn Glen
- **Red Bug Lake Rd**
Tuskawilla Rd to Dovera Dr
- **Florida Ave**
Deleon St to Van Arsdale St
- **E E Williamson Rd**
Rangeline Rd to Tollgate Trail
- **Southwest Rd**
Country Club Rd to Bungalow Blvd



Other Pavement Projects

- **Alternative Surfacing for Unpaved Roads**
 - “Year 4”/Not Mapped
- **Resurfacing**
 - Various Locations/Not Mapped
- **Subdivision Retrofits**
 - Various Locations TBD/Not Mapped

STORMWATER DEFICIENCY CORRECTION PROJECTS FY 2003/2004



*State Funded

Stormwater Deficiency Correction Projects

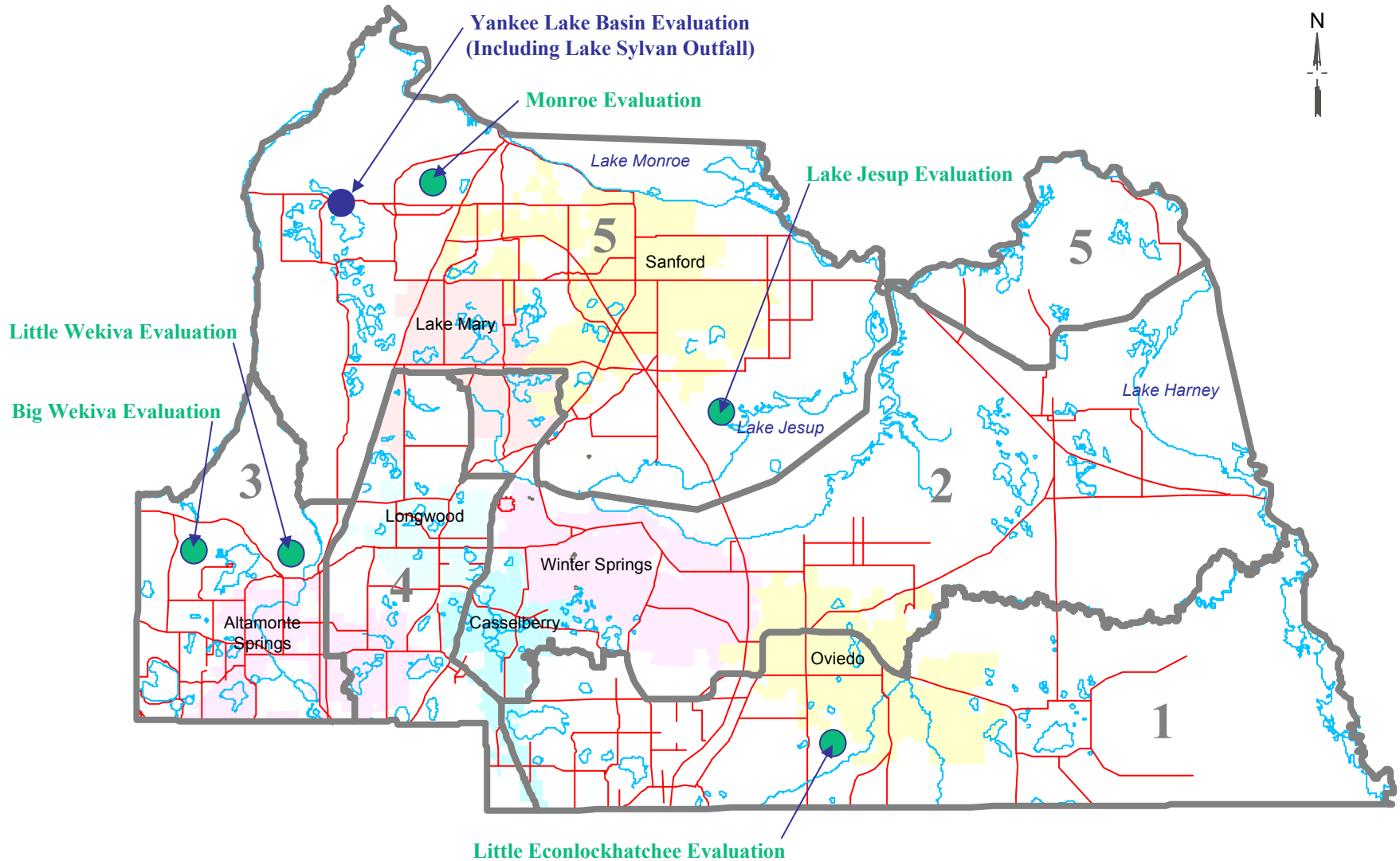
- **Elder Creek**
C-15/Regional Stormwater Facility
- **Sweetwater Cove Tributary**
Big Wekiva Basin/Localized Flooding Erosion Control/Design
- **Crane Strand Retrofit**
Little Econ Basin/Canal Improvements & Water Quality Enhancements
- **I-4 Borrow Pit Retrofit**
Monroe Basin/Regional Pond for Water Quality/Design

Stormwater Deficiency Correction Projects

- **Northwestern Ave**
Little Wekiva Basin/Little Wekiva River Erosion Control
- **Horselovers Lane**
Little Wekiva Basin/Little Wekiva River Erosion Control
- **SR 434 Sediment Basin**
Little Wekiva Basin/Little Wekiva River Erosion Control
- **Oakhurst – Red Bug Lake Outfall**
Howell Creek Basin/Lake Howell/Subdivision Outfall



STORMWATER BASIN EVALUATIONS FY 2003/2004



Stormwater Basin Evaluations

➤ **Yankee Lake**

North Section of Yankee Lake Basin Including Lake Sylvan
Data Collection

➤ **Big Wekiva**

Big Wekiva Basin
Stormwater Inventory & Deficiency Final Report

➤ **Lake Jesup**

Lake Jesup Basin
Stormwater Inventory & Deficiency Evaluation

Stormwater Basin Evaluations

➤ **Little Econ**

Little Econ Basin

Stormwater Supplemental Evaluation

➤ **Monroe Basin**

Monroe Basin

Flood Map Update Phase

➤ **Little Wekiva Basin**

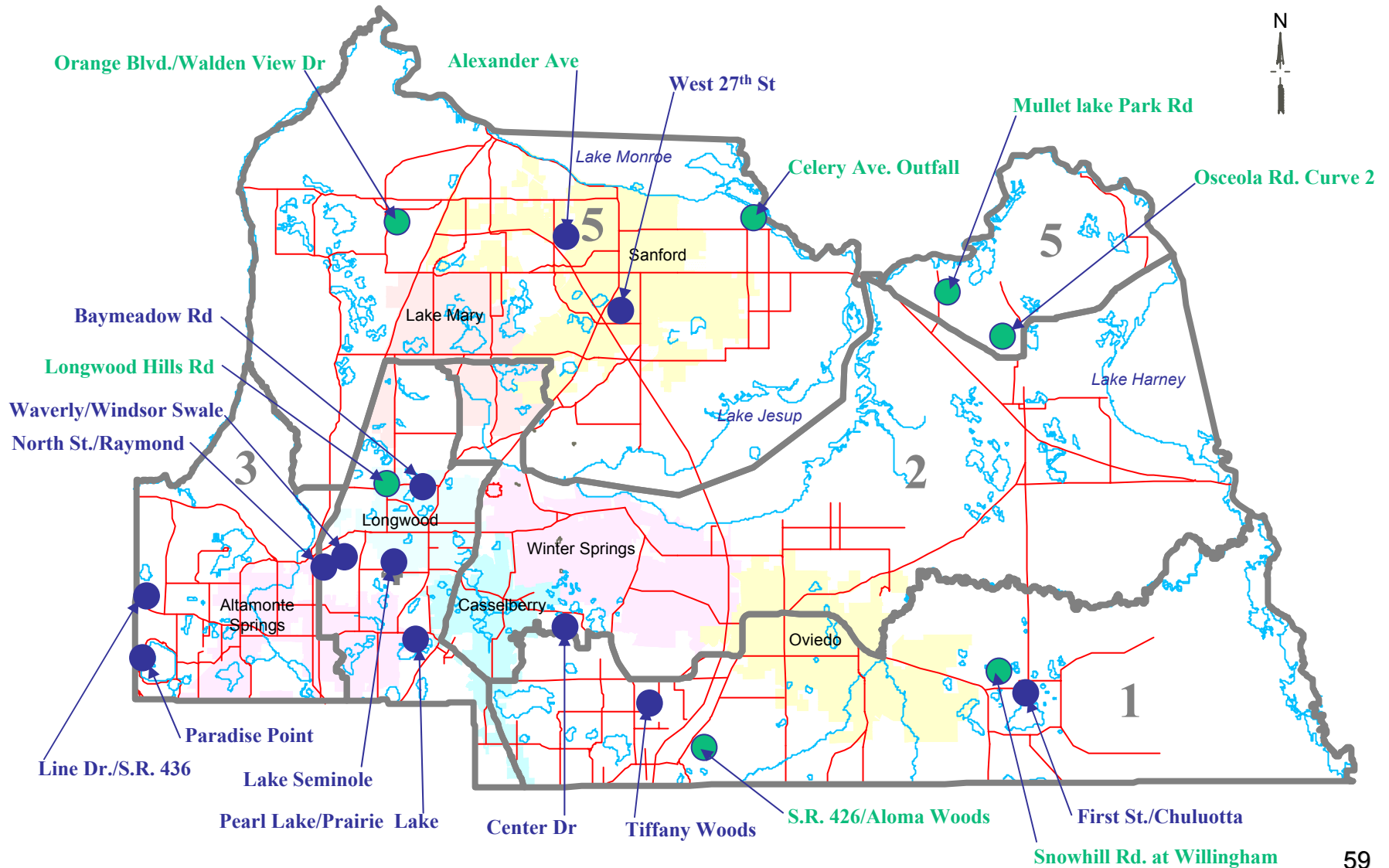
Little Wekiva Basin

SJRWMD Evaluation Phases 2 & 3



STORMWATER MINOR PROJECTS

FY 2003/2004



Stormwater Minor Projects

- **Tiffany Woods**
Tuskawilla Rd & Dike Rd/Restore Drainage Outfall
- **Waverly/Windsor Swales**
Island Lake Area/Restore Roadside Drainage
- **Center Drive Reconstruction**
Clear Lake Area/Reconstruct Roadway
- **Baymeadow Rd. Pipe Replacement**
Soldier's Creek Basin/Replace Deficient Pipe

Stormwater Minor Projects

- **Alexander Ave Piping**
Sanford Basin/Replace Drainage System
- **West 27th St @ Park Ave**
Sanford Basin/Alleviate Flooding
- **Celery Ave Outfall-Midway Basin**
Midway Basin/Restore Outfall to River/Design
- **Orange Blvd-Walden View Dr Outfall**
Monroe Basin/Restore Drainage System/Design

Stormwater Minor Projects

- **SR 426-Aloma Woods Sub Basin**
Howell Creek Basin/Alleviate Local Flooding/Design
- **Mullet Lake Park Rd**
St. Johns Basin/Alleviate Local Flooding/Design
- **Osceola Rd Curve 2**
St. Johns Basin/Replace Pipe to Prevent Flooding/Design

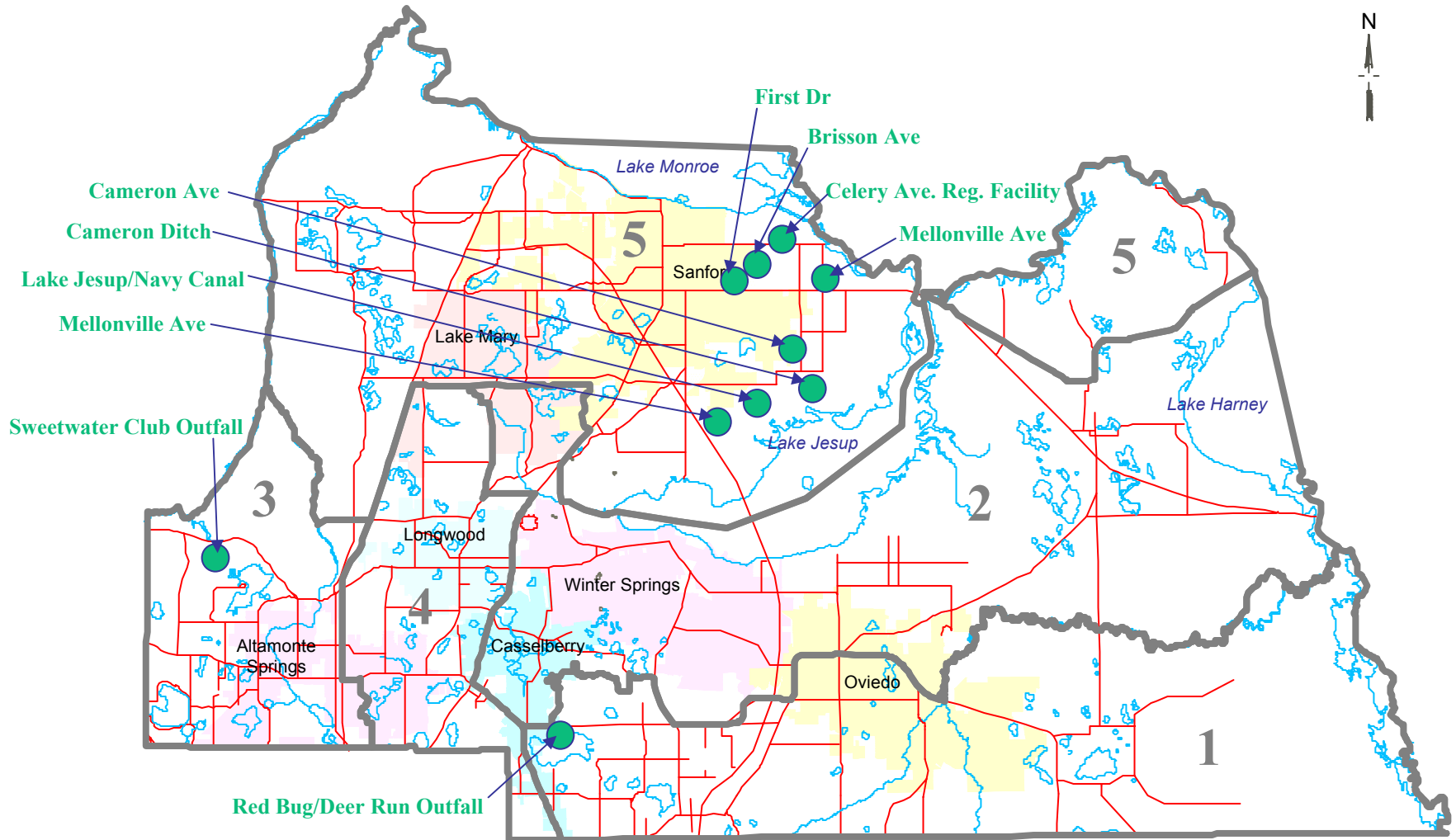
Stormwater Minor Projects

- **Longwood Hills Rd**
Soldier's Creek/Restore Road Drainage
- **Snowhill Rd At Willingham Rd**
Big Econ Basin/Restore Road Drainage/Design
- **Paradise Point Subdivsion**
Bear Lake/Alleviate Localized Flooding/Design

Stormwater Minor Projects

- **Lake Seminole Restoration**
North St/Restore lake
- **Pearl Lake/Prairie Lake Outfall**
Gee Creek Basin/Restore Lake Outfall/Design
- **Line Dr**
@ 436 / Big Wekiva Basin/Alleviate Road Flooding/Design
- **First St / Chuluota**
Big Econ Basin/Alleviate Localized Flooding/Design

STORMWATER MAJOR PROJECTS
(ALL PROJECTS ARE 100% JOINT PARTICIPATION)
FY 2003/2004



Stormwater Major Projects

(All projects are 100% Joint Participation)

- **Cameron Ave**
Lake Jesup Basin/Restore Road Flooding
- **Brisson Ave**
Midway Basin/Restore Drainage System
- **First Dr**
Midway Basin/Restore Drainage System
- **Celery Ave**
Midway Basin/Regional Facility for Water Quality/Design
- **Navy Canal**
Lake Jesup Basin/Canal Restoration & Water Quality Enhancement

Stormwater Major Projects

(All projects are 100% Joint Participation)

- **Cameron Ditch Retrofit**

Lake Jesup Basin/Restore Roadside Drainage

- **Red Bug/Deer Run Outfall**

Lake Howell Basin/Design to Acquire Additional Land for Outfall

- **Sweetwater Club – Wekiva Springs Outfall**

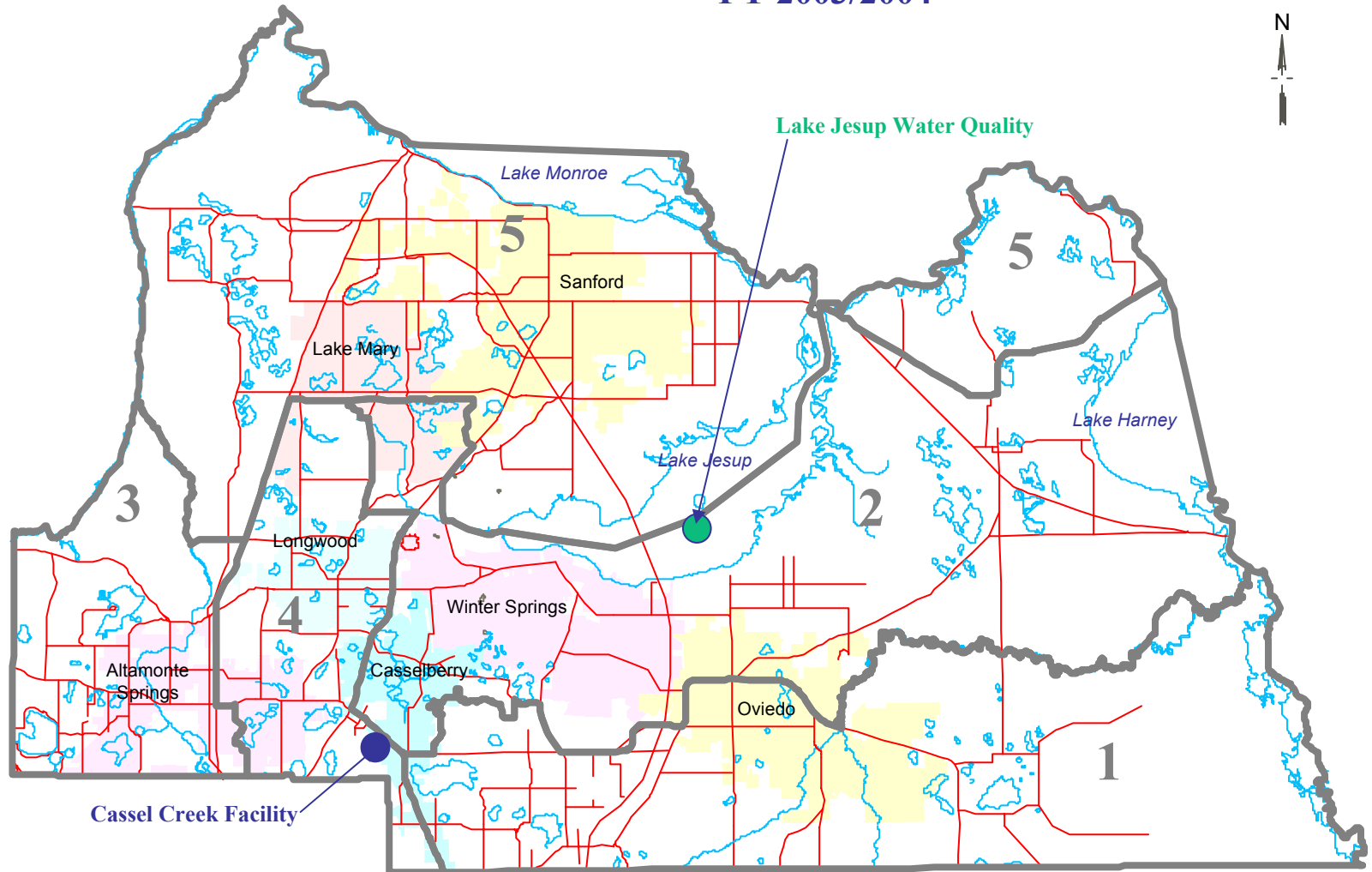
Big Wekiva Basin/Restore Outfall to River

- **Mellonville Ave**

Lake Jesup Basin/Regional Facility for Water Quality



**STORMWATER WATER QUALITY PROJECTS
(ALL PROJECTS ARE 100% JOINT PARTICIPATION)
FY 2003/2004**



Stormwater Water Quality Projects

(All projects are 100% Joint Participation)

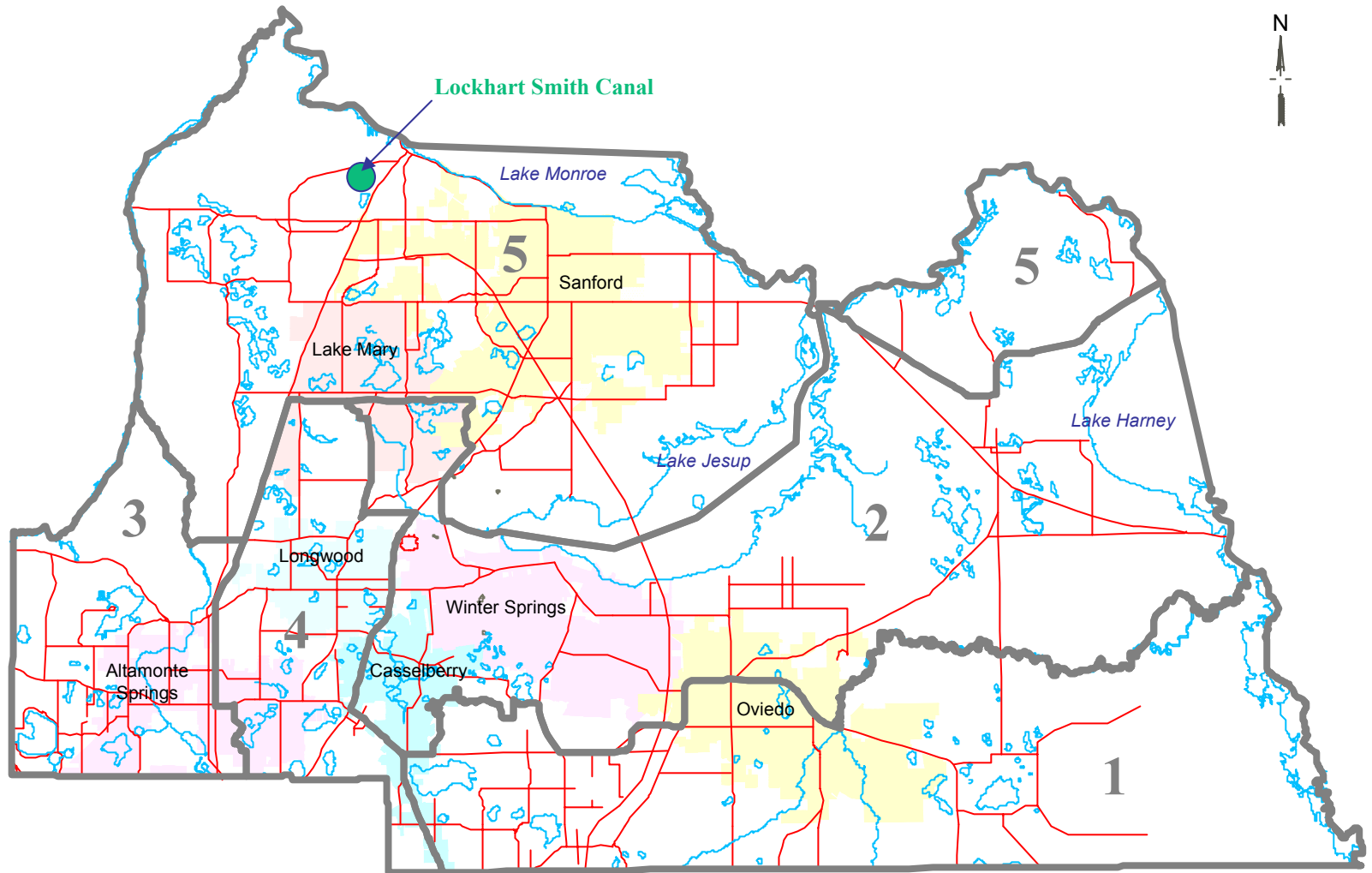
- **Cassel Creek Stormwater Facility**

Howell Creek Basin/Regional Facility for Water Quality/Design

- **Lake Jesup Water Quality**

Lake Jesup/Various Sites for Regional Water Quality Ponds

STORMWATER CONVEYANCE PROJECT FY 2003/2004



Stormwater Conveyance Project

➤ Lockhart Smith Canal

Monroe Basin/Acquire Canal Easements

